



# UNITED STATES PATENT OFFICE.

HAMILTON T. BEGGS AND JAMES ALLEN, OF LIBERTY, VIRGINIA.

## BRICK-MACHINE.

Specification of Letters Patent No. 23,892, dated May 10, 1859.

*To all whom it may concern:*

Be it known that we, HAMILTON T. BEGGS, of Liberty, in the county of Bedford, in the State of Virginia, and JAMES ALLEN, of Lynchburg, in the county of Campbell, in the State of Virginia, have invented a new and useful Improvement in Machines for Making Bricks, and do declare that the following is a full and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon.

This invention relates to a machine for making brick out of dry or wet clay, and consists in the combination and arrangement of the several parts of the machine in the manner hereinafter described.

In the drawings Figure I presents a top view and Fig. II, a side view of the machine.

To enable others skilled in the art to make use of our invention we will proceed to describe its construction and operation.

A is the hopper into which the wet or dry clay is thrown.

B is the top plate the pressure of which acts against the large bevel wheel C, through which the cells are cut; the outside cells P are cast on the wheel.

D, D, D, are the inside cells or bush.

E, E, E, are the plungers passing through the inside bush D.

F, F, F, are the friction rollers connected with the plungers for the purpose of operating them.

*g*, is the circular inclined plane ring.

The friction rollers work on the guard H.

The axle of the friction rollers passes through the guard to draw the plunger down when it gets near the hopper or under it.

*i i i* are the three columns supporting the top plate.

J is the center bearing or hub.

The bevel wheel C, works over the bottom plate K.

L is the bevel pinion to drive the wheel C.

M M is the gear wheel to turn the rake wheel N located in the hopper.

O is a circular friction plate of steel on the lower side of the top plate B to be changed at will.

Q is the driving shaft.

R is the stand for the driving shaft cast on plate K.

We do not claim any of the parts separately, but

What we do claim as of our invention, and desire to secure by Letters Patent, is—

The combination of the bevel wheel C, cast with the cells P, therein, for the reception of the molds D, the plungers E, with the friction rollers and axles F, circular inclined plane ring *g*, and guard H, and top-plate B, when these several parts are constructed and arranged for joint operation in the manner and for the purpose set forth.

HAMILTON T. BEGGS.  
JAMES ALLEN.

Witnesses:

JOHN S. HOLLINGSHEAD,  
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ROBERT HIDDOMS.